

Special Issue

Hepatobiliary and Pancreatic Diseases: Diagnosis and Management Advances

Message from the Guest Editor

Hepatobiliary and pancreatic (HPB) diseases are being reshaped by advances in imaging, AI, robotics, and minimally invasive therapies. Traditional paradigms are evolving toward computer-assisted surgery, where digital tools enhance—not replace—clinical expertise.

This Special Issue covers HPB diagnosis and management across three pillars: image-guided surgery, AI, and robotics. We welcome work on advanced imaging, intraoperative navigation, augmented reality, surgical planning, image fusion, computer vision, machine learning, predictive analytics, digital twins, automation, telesurgery, intelligent robotic systems, and innovations in laparoscopic, robotic, endoscopic, percutaneous, and hybrid procedures.

We also examine the technology–physician relationship. AI transforms practice but cannot replace clinical reasoning, ethical judgment, creativity, communication, or responsibility. HPB care's future depends on sophisticated technologies and clinicians' ability to integrate them into patient-centered decisions.

We invite original research, systematic reviews, technical reports, and expert perspectives on precision, innovation, and multidisciplinary care in HPB diseases.

Guest Editor

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